

4

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/872,184	SINGH, AMIT P.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Dung X Nguyen	2631	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on 31 May 2001.
2. ☒ The allowed claim(s) is/are 1 - 50.
3. ☒ The drawings filed on 31 May 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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 8/31/2004  
**MOHAMMED GHAYOUR**  
**SUPERVISORY PATENT EXAMINER**

*Allowable Subject Matter*

1. The following is an examiner's statement of reasons for allowance:

Regarding to the claimed invention, the prior art of record fails to show or render obvious of a method and its corresponding apparatus for compressing a data stream, comprising:

Receiving a data stream having a plurality of data symbols;

Identifying a first data phrase as a first repeated phrase, the first data phrase being a combination of a first data term and at least a second data term, if the first data phrase matches a first library phrase, the first library phrase is one of a plurality of library phrases;

Replacing the first phrase with a first data phrase identifier associated with the first library phrase to generate a compressed data stream if the first data phrase is identified as the first repeated phrase;

Storing the first data phrase as a second library phrase if the first data phrase does not match any of the plurality of library phrases;

Replacing the first data phrase with a second data phrase identifier associated with the second library phrase to generate a compressed data stream if the first data phrase is not identified as the first repeated phrase; and

Transmitting the compressed data stream while still receiving additional data symbols in the data stream;

Wherein each of the data phrases includes a fixed number of data terms;

Wherein each of the data terms is one of a data symbol and a data phrase identifier.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

*U.S. Patent Documents:*

Salama et al. (US patent # 6,584,093 B1) discloses a method and its corresponding apparatus for automatic inter-domain routing of calls.

Deanet al. (US patent # 6,498,809 B1) discloses a video bitstream resilient transcoder, method, video-phone, video-communicator and device.

Savari (US patent # 6,456,209 B1) discloses a method and its corresponding apparatus for deriving a plurality parsable data compression dictionary.

Barbir (US patent # 5,867,114) discloses a method and its corresponding apparatus for performing data compression.

Denzer (US patent # 5,307,413) discloses a method and its corresponding apparatus for adding data compression and other services in a computer network.

*Other Publications:*

M. S. Obaidat et al., "Verification of Computer User Using Keystroke Dynamics", IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics, vol, 27, no. 2, pp.261 - 269, April 1997.

Art Unit: 2631

***Contact Information***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung X. Nguyen whose telephone number is (571) 272-3010. The examiner can normally be reached on Monday through Friday from 8:00 AM to 17:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Ghayour Mohammad H. can be reached on (571) 272-3021. The fax phone numbers for this group is (571) 273-3021.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

DXN

August 31, 2004

  
MOHAMMED GHAYOUR  
SUPERVISORY PATENT EXAMINER